

# NUCLEAR FACILITIES

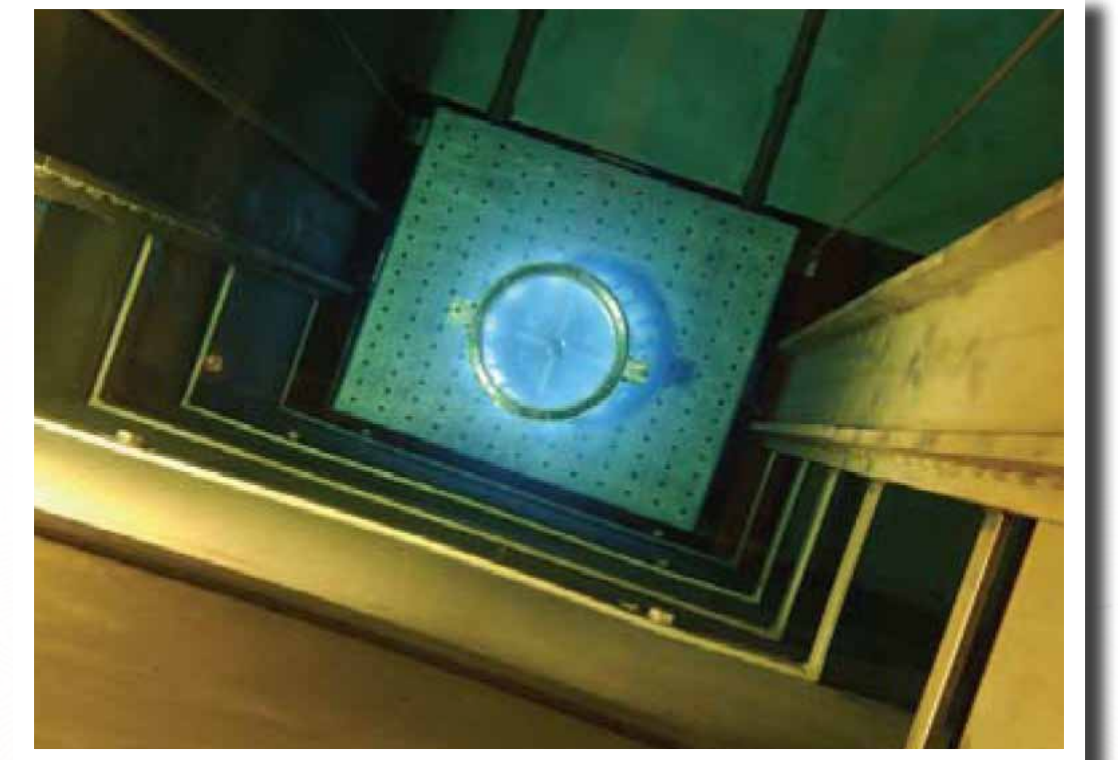


## SANDIA PULSED REACTOR-CRITICAL EXPERIMENTS (SPR-CX)

The original mission of the SPR-CX, located in TA-V, was to provide near-fission spectrum radiation environments for testing a wide variety of technologies that support both defense and non-defense activities. Although the SPR-CX Facility and many systems are still in existence, the reactor fuel has been placed in long-term storage in a distant facility and the reactor component of the SPR-CX is non-functional.

## GAMMA IRRADIATION FACILITY (GIF)

The GIF provides test cells for the irradiation of experiments with high-intensity gamma ray sources. The main features of the GIF are the deep water pool and three dry irradiation cells.



## AUXILIARY HOT CELL FACILITY (AHCF)

The AHCF is used primarily to characterize and repackage Hazard Category 3 legacy materials and radioactive waste that has been accumulating at SNL/NM for the past 30 years from DOE Defense Programs, U.S. Department of Defense and U.S. Nuclear Regulatory Commission programs, and other related activities.



## ANNULAR CORE RESEARCH REACTOR (ACRR)



The ACRR provides neutron and gamma radiation environments in either pulsed or sustained modes to perform experiments, including component electronics testing. The facility is comprised of the reactor room, equipment rooms, control room, building utilities, several small laboratories, and support staff offices.

# PRODUCTION FACILITIES

## 858 COMPLEX (PART OF MESA)



The 858 Complex provides microtechnology development and engineering capabilities to support programs in the national interest, comprising microsystems technology development, computational and engineering sciences and analysis, and weapon design system integration and certification. Within the 858 Complex, the Silicon Fabrication Facility produces semiconductor silicon-based wafers, and develops and produces radiation-hardened Complementary Metal Oxide Semiconductor integrated circuits.

## HOT CELL FACILITY (HCF)

The mission of the HCF was to operate primarily as a medical isotopes production facility supporting the DOE Isotopes Production and Distribution Program (IPDP) in the mid-1990s. Among other activities, the IPDP was responsible for ensuring that the U.S. health-care community had access to a reliable supply of molybdenum-99. That project was terminated in the late 1990s. The HCF is not currently in operation, but will retain the capability to process isotopes, if needed.



## RESPONSIVE NEUTRON GENERATOR PRODUCT DEPLOYMENT CENTER

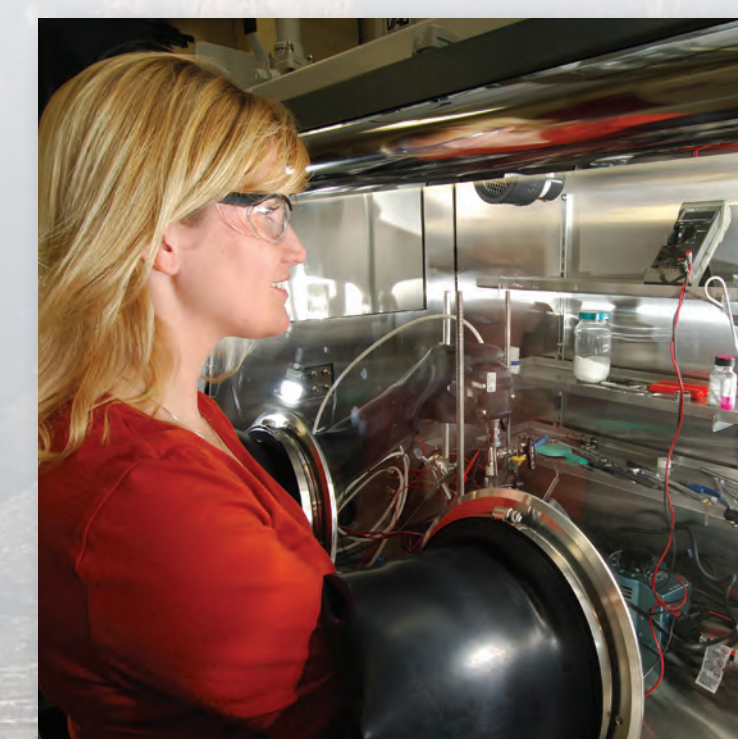
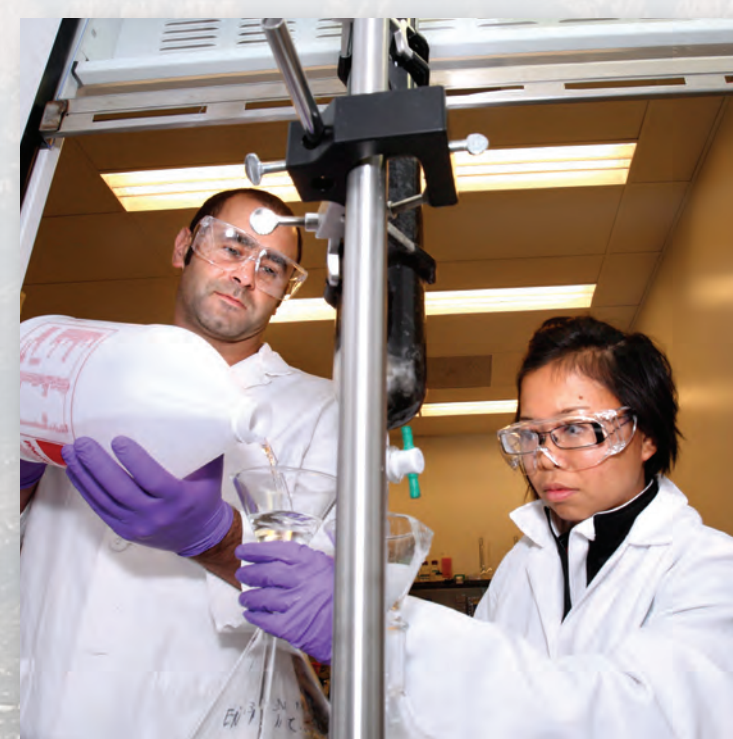
The Responsive Neutron Generator Product Deployment Center is used for fabrication of neutron generators (external initiators for nuclear weapons), delivering them as needed for deployment in the nuclear stockpile to replace existing limited-life components. The Center is responsible for the science and technology development of its products, the design and development of new products for nuclear weapon and non-weapon applications, the management of performance information of its products in the nuclear stockpile, and products that support the measurement of its products in the nuclear stockpile.





# ***PUBLIC SCOPING MEETING***

***Site-Wide Environmental  
Impact Statement for  
Sandia National Laboratories  
and other local  
DOE/NNSA Operations in  
Albuquerque, New Mexico***



WELCOME

Sandia National Laboratories is a major research laboratory managed by Sandia Corporation, a wholly owned subsidiary of Lockheed Martin Corporation, for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-AC05-94OR21400. Sand 2011-4582 P.



# HOW TO PROVIDE SCOPING COMMENTS ON THE SITE- WIDE ENVIRONMENTAL IMPACT STATEMENT

## ■ **Comment Forms** ■

*Available at Sign-In Table*

## ■ **Stenographer** ■

*Available to record your oral comments*

## ■ **U.S. Mail** ■

NNSA/SSO  
SWEIS Comments  
P.O. Box 5400, Albuquerque, NM 87185

## ■ **Email** ■

*sandia.sweis@doeal.gov*

## ■ **Website** ■

*[www.doeal.gov/sso/eshqa.aspx](http://www.doeal.gov/sso/eshqa.aspx)*

## ■ **Fax** ■

*505-284-7197*

## ■ **Phone** ■

*505-845-4808 • Toll Free 1-855-766-4651*

**Scoping Comments accepted until  
August 8, 2011**

